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(54) Title: SUSTAINED RELEASE PREPARATIONS COMPOSED OF BIOMATERIAL COMPLEX MICROPARTICLES

(57) Abstract: A particle includes a complex between a bioactive agent and a complexing agent, provided that the bioactive agent is other than a polynucleotide and an oligonucleotide, and wherein the particle has a bioactive function. The particle has a diameter from about 5 nm to about 100 microns. In certain embodiments, the bioactive agent is a member selected from the group consisting of a growth factor, a hormone, a peptide, a protein, and polysaccharide. In certain embodiments, the complexing agent is a member selected from the group consisting of polysaccharides, glycosaminoglycans, complex carbohydrates, polyacids, modifications and derivatives thereof. Also provided is a method of making the particle. Further provided is a method of administering the particle, including providing the particle, which is adapted to gradually release the bioactive agent; and thereby administering the particle.